

INTERNATIONAL SEARCH REPORT

International application No.
PCT/US99/09503

A. CLASSIFICATION OF SUBJECT MATTER

IPC(6) : C12Q 1/68; G05B 1/00
US CL : 435/6; 364/130

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

U.S. : 435/6; 364/130

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

NONE

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

APS, CAS, DIALOG

C. DOCUMENTS CONSIDERED TO BE RELEVANT

| Category* | Citation of document, with indication, where appropriate, of the relevant passages | Relevant to claim No. |
|-----------|---|-----------------------|
| Y | SRINAND et al. Algorithmic approach to high-throughout molecular screening for alpha interferon-resistant genotypes in hepatitis C patients. Journal of Clinical Microbiology. July 1998, Vol. 36, No.7, pages 1895-1901, see entire article. | 1-24 |
| Y | AUFFERMANN et al. Rapid diagnostic DNA cytometry with an automatic microscope and a TV image-analysis system. Analytical Quantitative Cytology. 1984, Vol. 6, No. 3, pages 179-188, see entire article. | 1-24 |
| Y | OKADA et al. Medical data base system with an ability of automated diagnosis. Computer Programs Biomed. 1977, Vol. 7, No. 3, pages 163-170, see entire article. | 1-24 |

 Further documents are listed in the continuation of Box C.

See patent family annex.

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|---|-----|--|
| * Special categories of cited documents: | *T* | later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention |
| *A* document defining the general state of the art which is not considered to be of particular relevance | *X* | document of particular relevance, the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone |
| *B* earlier document published on or after the international filing date | *Y* | document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art |
| *L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) | *A* | document member of the same patent family |
| *O* document referring to an oral disclosure, use, exhibition or other means | | |
| *P* document published prior to the international filing date but later than the priority date claimed | | |

Date of the actual completion of the international search

30 JULY 1999

Date of mailing of the international search report

31 AUG 1999

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C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

| Category* | Citation of document, with indication, where appropriate, of the relevant passages | Relevant to claim No. |
|-----------|--|-----------------------|
| Y | SILVER et al. The predictive and explanatory power of inductive decision trees: A comparison with artificial neural network learning as applied to the noninvasive diagnosis of coronary artery disease. <i>Journal of Investigative Medicine</i> . February 1997, Vol. 45, No. 2, pages 99-108, see entire article. | 1-24 |
| Y | BEKSAC et al. An artificial intelligent diagnostic system on differential recognition of hematopoietic cells from microscopic images. <i>Commun. Clin. Cytometry</i> . 1997, Vol. 30, No. 3, pages 145-150, see entire article. | 1-24 |
| Y | BEKSAC et al. A computerized diagnostic system for the interpretation of umbilical artery blood flow velocity waveforms. <i>European J. Obstet. Gynecol. Reprod. Biol.</i> 1996, Vol. 64, pages 37-42, see entire article. | 1-24 |

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